

**Air Pollution Control Board**

Greg Cox	District 1
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Ron Roberts	District 4
Bill Horn	District 5

Air Pollution Control Officer

R. J. Sommerville

NOTICE OF WORKSHOP

FOR DISCUSSION OF PROPOSED AMENDMENTS TO RULE 2 - DEFINITIONS, AND REVISION OF THE "EXEMPT COMPOUNDS" DEFINITION IN ALL RULES REGULATING VOLATILE ORGANIC COMPOUNDS (VOCs)

The San Diego County Air Pollution Control District will hold a public meeting to consider proposed amendments to Rule 2 - Definitions, and companion revisions to the definition of "Exempt Compounds" in all rules regulating Volatile Organic Compounds (VOCs). Comments concerning this proposal may be submitted in writing before, or made at, the workshop which is scheduled as follows:

DATE: January 25, 1996 - Thursday
TIME: 9:00 a.m. to 12:00 noon
PLACE: Air Pollution Control District
Conference Room 139
9150 Chesapeake Drive
San Diego CA

Rule 2 provides standard definitions for various terms used in District Rules and Regulations. The main purpose for amending Rule 2 is to provide an updated list of organic compounds which are not regulated as ground level ozone precursors (Exempt Compounds). The list of Exempt Compounds was recently amended by the Environmental Protection Agency (EPA) and now includes volatile methylated siloxanes, parachlorobenzotrifluoride (PCBTF) and acetone. The California Air Resources Board (ARB) also recently advised air districts that all compounds exempted by EPA can be excluded from the definition of VOC for purposes of the California Clean Air Act.

The new definition of Exempt Compounds in Rule 2 will replace the definition used in each of the following rules regulating VOC emissions:

11	Exemptions from Permit Requirements	67.10	Kelp Processing and Bio-Polymer Manufacturing Operations
19.3	Emission Information	67.11	Wood Products Coating Operations
20.1	New Source Review - General Provisions	67.12	Polyester Resin Operations
67.0	Architectural Coatings	67.15	Pharmaceutical and Cosmetic Manufacturing Operations
67.1	Alternative Emission Control Plans	67.16	Graphic Arts Operations
67.2	Dry Cleaning Equipment Using Petroleum Based Solvent	67.17	Storage of Materials Containing Volatile Organic Compounds
67.3	Metal Parts and Products Coating Operations	67.18	Marine Coating Operations
67.4	Metal Container, Metal Closure and Metal Coil Coating Operations	67.19	Coatings and Printing Inks Manufacturing Operations
67.5	Paper, Film and Fabric Coating Operations	67.22	Expandable Polystyrene Foam Products Manufacturing Operations
67.7	Cutback and Emulsified Asphalts	67.24	Bakery Ovens
67.9	Aerospace Coating Operations		

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The definition of Exempt Compounds in each of these rules will be revised to reference the definition in Rule 2. This will allow the District to respond quickly to changes in federal or state laws regarding the VOC definition by only revising Rule 2 in the future.

The listing of these substances as Exempt Compounds will also provide local industry with greater flexibility in finding substitutes for volatile organic compounds and for toxic and ozone depleting materials in light of the federal ban on the manufacture of several stratospheric ozone depleting compounds such as 1,1,1-trichloroethane, and new federal and state regulations controlling emissions of toxic air contaminants.

The proposed amendments will also add several new definitions, delete some outdated definitions, and clarify and redefine some of the existing definitions.

Specifically the amendments will add or revise definitions for the following terms:

- Agricultural Operation
- Air Contaminant or Air Pollutant
- Air Pollution Control Board
- Application Station
- Calendar Day
- Calendar Quarter
- Calendar Year
- California Coastal Waters
- Contiguous Property
- Control Equipment
- District
- Emission Unit
- Exempt Compounds
- Major Stationary Source
- Motor Vehicle
- NO_x
- Orchard or Citrus Grove Heater
- Particulate Matter
- PM₁₀
- SO_x
- Standard Conditions
- State Implementation Plan (SIP)
- Stationary Source or Source
- Touch-up Operation
- Toxic Air Contaminant
- Vehicle
- Volatile Organic Compound (VOC)
- VOC Content Per Volume of Coatings,
Less Water & Exempt Compounds
- VOC Content Per Volume of Material

The definitions for the following terms will be deleted:

- Board
- Compliance Schedule
- Condensed Fumes
- Section
- Source, any source, any single source,
and any source whatsoever

If you would like a copy of the proposed amended Rule 2, please call Juanita Ogata at (619) 694-8851. If you have any questions concerning the proposal, please call Laura Yannayon at (619) 694-3326 or Natalie Zlotin at (619) 694-3312.



RICHARD J. SMITH
Deputy Director

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12/18/95

AIR POLLUTION CONTROL DISTRICT
COUNTY OF SAN DIEGO

PROPOSED AMENDMENTS TO RULE 2

Rule 2 is amended and reformatted to read as follows:

RULE 2. DEFINITIONS

(a) APPLICABILITY

(1) The definitions listed in Section (b) of this rule shall be applicable to all Rules and Regulations of the Air Pollution Control District of San Diego County, unless the same term is specifically defined in any other applicable Rule or Regulation.

~~(a)(2)~~ Except as otherwise specifically provided in these ~~rules~~ Rules ~~and except or~~ where the context otherwise indicates, words used in these rules are used in exactly the same sense as the same words are used in Division 26 of the Health and Safety Code.

(b) DEFINITIONS

~~(aa)(1)~~ **"Abrasive Blasting Cabinet"** means an enclosure used to contain abrasive media and which can only be entered through ports for gloved arms and hands when abrasive blasting is conducted.

~~(j)(2)~~ **"Air Contaminant" or "Air Pollutant"** means any substance discharged, released, or otherwise propagated into the atmosphere and includes, but is not limited to, any of the following: volatile organic compounds, exempt compounds, oxides of nitrogen, particulate matter, gaseous sulfur compounds, carbon monoxide, toxic air contaminants, includes smoke, charred paper, dust, soot, grime, carbon, noxious acids and gases, fumes, gases, odors, or particulate matter, or any combination thereof.

(3) **"Air Pollution Control Board of San Diego County"** is a board whose members are the Supervisors of the County of San Diego.

~~(d)(4)~~ **"Air Pollution Control Officer (APCO)"** means the Air Pollution Control Officer of the San Diego County Air Pollution Control District of San Diego County.

~~(z)~~(5) **"Application Station"** means a booth, a room, a designated area, a point in an operation, or a location ~~or locations~~ on a process line where, at any given time, a material ~~of the same composition~~ is applied.

~~(p)~~(6) **"Atmosphere"** means the air that ~~envelopes or~~ surrounds the earth. Where air pollutants are emitted into a building not designed specifically as a piece of air pollution control equipment, such emissions into the building shall be considered an emissions into the atmosphere.

~~(e)~~ **"Board"** means the Air Pollution Control Board of the Air Pollution Control District of San Diego County.

(7) **"Calendar Day"** means the 24-hour period starting at twelve midnight and continuing through to the subsequent twelve midnight hour.

(8) **"Calendar Quarter"** means any of the following three month periods: January 1 through March 31, April 1 through June 30, July 1 through September 30, or October 1 through December 31.

(9) **"Calendar Year"** means the consecutive 12-month period beginning January 1 and ending December 31.

(10) **"California Coastal Waters "** means the area described in California Government Code Section 170. The area of water lying west of the San Diego County coastline and bounded by the following line, excluding the islands of Santa Barbara, San Clemente, San Nicolas, and Santa Catalina and the area within three miles from each of the islands' coastlines, generally describes the California Coastal Waters off San Diego County.

(i) Beginning at the intersection of the coastline and the San Diego-Orange County boundary (33°23');

(ii) thence northwest to 33°42' N, 120°13'W;

(iii) thence southeast to 33°00' N, 119°30' W;

(iv) thence southeast to 32°00' N, 118°10' W;

(v) thence northeast to the United States-Mexico International boundary in the Pacific Ocean;

(vi) thence following the United States-Mexico International boundary in the Pacific Ocean to the coastline.

(e)(11) **"Combustion Particulates"** are means particulate matter discharged into the atmosphere from the burning of any kind of material containing carbon in a free or combined state.

(e)(12) **"Combustible Refuse"** is means any solid or liquid combustible waste material containing carbon in a free or combined state.

(w) **"Compliance Schedule"** means a statement of dates when various steps are to be taken to bring a source of air contaminants into compliance with emission standards and shall include, to the extent feasible, the following: (Effective 3/10/77)

(1) The date of submittal of the final plan for the control of emissions of air contaminants from the source.

(2) The date by which contracts for emission control systems or process modifications will be awarded, or the date by which orders will be issued for the purchase of component parts to accomplish emission control or process modification.

(3) The date of initiation of on-site construction or installation of emission control equipment or process change.

(4) The date by which on-site construction or installation of emission control equipment or process modification is to be completed.

(5) The date by which final compliance is to be achieved.

(6) Such other dates by which other appropriate and necessary steps shall be taken to permit close and effective supervision of progress toward timely compliance.

(n) **"Condensed Fumes"** are minute solid particles generated by the condensation of vapors from solid matter after volatilization from the molten state, or may be generated by sublimation, distillation, calcination, or chemical reaction, when these processes create airborne particles.

(13) **"Contiguous Property"** means two or more parcels of land with a common boundary or separated solely by a public or private roadway or other public or private right-of-way. Non-adjoining parcels of land which are connected by a process line, conveyors, or other equipment shall be considered to be contiguous property. Non-adjoining parcels of land separated solely by bodies of water designated "navigable" by the U.S. Coast Guard, shall not be considered contiguous properties.

(14) **"Control Equipment"** means an air pollution control device which reduces or eliminates the release of a specified air contaminant to the atmosphere.

~~(15)~~ The "Desert Portion" of San Diego County is defined for the purposes of these Rules and Regulations as all of means that part of San Diego County, State of California, lying east of the following described line:

~~(1)~~(i) Beginning at the United States-Mexico International boundary ~~border~~ and running north along the range line common to Range 7 East and Range 6 East; (San Bernardino Base and Meridian); to the point of intersection with the southeast corner of township line common to Township 16 South, Range 6 East and Township 17 South;

(ii) thence east along the township line common to Township 16 South and Township 17 South to the point of intersection with the range line common to Range 7 East and Range 6 East;

(iii) thence north along the range line common to Range 7 East and Range 6 East to the point of intersection with the township line common to Township 16 South and Township 17 South;

~~(2)~~(iv) thence west along the township line common to Township 16 South and Township 17 South to the point of intersection with the southwest corner of Township 16 South, range line common to Range 6 East and Range 5 East;

~~(3)~~(v) thence north along the range line common to Range 6 East and Range 5 East to the point of intersection with the southeast corner of township line common to Township 14 South, Range 5 East and Township 15 South;

~~(4)~~(vi) thence west along the township line common to Township 14 South and Township 15 South to the point of intersection with the East boundary of the Rancho Cuyamaca Land Grant Park;

~~(5)~~(vii) thence north along the east boundary of the Rancho Cuyamaca Land Grant Park to the point of intersection with the range line common to Range 5 East and Range 4 East;

~~(6)~~(viii) thence north along this the range line common to Range 5 East and Range 4 East to the point of intersection with the south boundary of the Rancho San Felipe Land Grant;

~~(7)~~ thence east and north along the land grant boundary to the eastern most corner;

~~(8)(ix)~~ thence ~~continuing west and north~~ beginning east and continuing along the land grant boundary to the point of intersection with the range line common to Range 5 East and Range 4 East;

~~(9)(x)~~ thence north along ~~this~~ the range line common to Range 5 East and Range 4 East to the point of intersection with the township line common to Township 10 ~~to~~ South and Township 9 South;

~~(10)(xi)~~ thence west along ~~this~~ the township line common to Township 10 South and Township 9 South to the point of intersection with the range line common to Range 4 East and Range 3 East;

~~(11)(xii)~~ thence north along ~~this~~ the range line common to Range 4 East and Range 3 East to the San Diego-Riverside County boundary.

(16) "District" means the San Diego County Air Pollution Control District.

~~(m)(17)~~ "Dusts" ~~are~~ means minute solid particles released into the air by natural forces or by mechanical processes ~~such as~~ including, but not limited to: crushing, grinding, milling, drilling, demolishing, shoveling, conveying, covering, bagging, and sweeping, ~~etc.~~

(18) "Eastern Section of the Air Pollution Control District of San Diego County" means all of that portion of San Diego County, State of California, lying east of the line described in Subsections (49)(i) through (49)(vi) of this rule.

(19) "Emission Unit" means any article, machine, equipment, contrivance, process, or process line which emit(s) or reduce(s), or may emit or reduce, the emissions of any air contaminant, except motor vehicles.

(20) "Exempt Compounds" means any of -

- (i) the following negligibly-reactive compounds:
 - methylene chloride (dichloromethane),
 - 1,1,1-trichloroethane,
 - trichlorofluoromethane (CFC-11),
 - dichlorodifluoromethane (CFC-12),
 - 1,1,2-trichloro-1,2,2-trifluoroethane (CFC-113),
 - 1,2-dichloro-1,1,2,2-tetrafluoroethane (CFC-114),

chloropentafluoroethane (CFC-115),
chlorodifluoromethane (HCFC-22),
1,1,1-trifluoro-2,2-dichloroethane (HCFC-123),
2-chloro-1,1,1,2-tetrafluoroethane (HCFC-124),
1,1-dichloro-1-fluoroethane (HCFC-141b),
1-chloro-1,1-difluoroethane (HCFC-142b),
trifluoromethane (HFC-23),
1,1,2,2-tetrafluoroethane (HFC-134),
1,1,1,2-tetrafluoroethane (HFC-134a),
pentafluoroethane (HFC-125),
1,1,1-trifluoroethane (HFC-143a),
1,1-difluoroethane (HFC-152a),
cyclic, branched, or linear completely methylated siloxanes (VMS),
the following four classes of perfluorocarbon (PFC) compounds:
(A) cyclic, branched, or linear, completely fluorinated alkanes,
(B) cyclic, branched, or linear, completely fluorinated ethers with no
unsaturations,
(C) cyclic, branched, or linear, completely fluorinated tertiary amines
with no unsaturations, and
(D) sulfur containing perfluorocarbons with no unsaturations and with
sulfur bonds only to carbon and fluorine,

(ii) the following low-reactive organic compounds:
acetone,
ethane,
1-chloro-4-trifluoromethyl benzene (parachlorobenzotrifluoride, PCBTF).

(e)(21) **"Hearing Board"** means the Hearing Board of the San Diego County Air
 Pollution Control District of San Diego County.

(bb)(22) **"ISO Standard Day Conditions"** means atmospheric conditions at a
temperature of 59°F (15°C), degrees Fahrenheit (15 degrees Centigrade), 60 percent
relative humidity, and an atmospheric pressure of 14.70 pounds per square inch, absolute
(29.92 inches [760 mm Hg] of mercury).

(23) "Major Stationary Source" means a stationary source which has or will have, after issuance of a permit, an aggregate potential to emit one or more air contaminants in amounts equal to or greater than any of the following emission rates:

<u>Air Contaminant</u>	<u>Emission Rate (tons/year)</u>
<u>Particulate Matter (PM₁₀)</u>	<u>100</u>
<u>Oxides of Nitrogen(NO_x)</u>	<u>50</u>
<u>Volatile Organic Compounds (VOC)</u>	<u>50</u>
<u>Oxides of Sulfur (SO_x)</u>	<u>100</u>
<u>Carbon Monoxide (CO)</u>	<u>100</u>
<u>Lead (Pb)</u>	<u>100</u>

(24) "Motor Vehicle" means a vehicle which is self-propelled.

(~~+~~)(25) "Multiple-Chamber Incinerator" is means any article machine, equipment, contrivance, structure or part of structure used to dispose of combustible refuse by burning, consisting of three or more refractory lined combustion furnaces in series, physically separated by refractory walls, interconnected by gas passage ports or ducts and employing adequate design parameters necessary for maximum combustion of the material to be burned. The refractories shall have a Pyrometric Cone Equivalent of at least 17; when tested according to the method described in the American Society for Testing Materials, ASTM Method C-24.

(26) "Non-Desert Portion" means all of that portion of San Diego County, State of California, lying west of the line described in Subsections (15)(i) through (15)(xii).

(27) "NO_x" means the sum of all oxides of nitrogen, except for nitrous oxide, collectively expressed as nitrogen dioxide.

(~~s~~)(28) "Orchard or Citrus Grove Heater" means any article, machine, bowl burner or contrivance, which is designed for, used, maintained or capable of being used to for burning any kind of fuel capable of emitting air contaminants for frost protection of orchards, citrus groves or plant nurseries in areas that are not completely enclosed. -The word "orchard" includes orchards or plant nurseries.

(~~k~~)(29) "Particulate Matter" is means any finely divided material which exists as a solid or liquid at standard conditions, excluding uncombined water.

~~any material, except uncombined water, which exists in a finely divided form as a liquid or solid at standard conditions. This definition shall not apply to sources covered by Regulation X, Standards of Performance for New Stationary Sources.~~

(30) "PM₁₀" means suspended particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (microns). For non-fugitive emissions, methods found in Title 17, California Code of Regulations, Section 94100 et seq. or any applicable test method approved by the Air Pollution Control Officer, shall be used to measure PM₁₀.

~~(b)~~(31) "Person" means any individual, firm, association, organization, partnership, business trust, corporation, company, contractor, supplier, installer, user or owner, or any state or local government agency or public district and any officer or employee thereof, or the federal government and any officers or employees thereof to the extent authorized by federal law, or any other entity whatsoever which is recognized by law as the subject of rights and duties.

~~(v)~~(32) "Portable Equipment" means any articles, machines, equipment or other contrivances that ~~are~~ is routinely moved from one location to another in order to perform ~~their~~ its function.

~~(x)~~(33) "Process" is means any method, reaction, or operation wherein materials are handled or whereby materials undergo physical change (i.e., the size, shape, appearance, temperature, state or other physical property of the materials is altered) or chemical change (i.e., a substance or substances with different chemical composition or properties are formed or created). A process includes all of the equipment and facilities necessary for the handling of materials or the completion of the transformation of the materials to produce a physical or chemical change. There may be several processes in series or in parallel necessary to the manufacture of a product.

~~(y)~~(34) "Process Line" means one or more pieces of equipment linked by the process flow and producing a product or performing a service such that the product cannot be produced or the service cannot be performed if any piece of equipment is removed or not functioning.

~~(4)~~(35) "Process Weight" is means the total weight of all materials introduced into any specific process, which process may cause any discharge of air contaminants into the atmosphere. Solid fuels charged ~~will be~~ are considered as part of the process weight, but liquid and gaseous fuels and combustion air ~~will~~ are not.

~~"The Process Weight Per Hour" will be derived by dividing the total process weight by the number of hours in one complete operation from the beginning of any given process to the completion thereof, excluding any time during which the equipment is idle.~~

(36) "Process Weight Per Hour" means the value derived by dividing the total process weight by the number of hours in one complete operation from the beginning of

any given process to the completion thereof, excluding any time during which the equipment is idle.

(h)(37) **"Regulation"** means one of the major subdivisions contained within the Rules and Regulations of the rules of the Air Pollution Control District of San Diego County.

(g)(38) **"Rule"** means any rule contained within the Rules and Regulations of the Air Pollution Control District of San Diego County.

(f) **"Section"** ~~means a section of the Health and Safety Code of the State of California unless some other statute is specifically mentioned.~~

(u) **"Source", "any source", "any single source", and "any source whatsoever"** ~~as used in these Rules and Regulations has the same meaning as "non-vehicular sources" as defined in Section 39043 of the Health and Safety Code. (Effective 9/19/84)~~

(39) **"SO_x"** means the sum of all oxides of sulfur, collectively expressed as sulfur dioxide.

(40) **"Standard Conditions"** means atmospheric conditions at a temperature of 68°F (20°C) and an atmospheric pressure of 14.70 pounds per square inch, absolute (760 mm Hg).

(41) **"State Implementation Plan (SIP)"** means the State prepared plan, approved by the United States Environmental Protection Agency (EPA), detailing how National Ambient Air Quality Standards will be achieved and maintained.

(42) **"Stationary Source" or "Source"** means an emission unit or aggregation of emission units which are located on the same or contiguous properties and which units are under common ownership or entitlement to use. Stationary sources also include those emission units or aggregation of emission units located in the California Coastal Waters.

(43) **"Touch-up Operation"** means the portion of a coating operation which is incidental to the main coating process but necessary to achieve coverage as required or to cover minor imperfections, or a coating operation which is necessary to repair minor mechanical damage incurred prior to intended use.

(44) **"Toxic Air Contaminant"** means an air contaminant which may cause or contribute to an increase in mortality or an increase in serious illness, or which may pose

a present or potential hazard to human health, including air contaminants listed as such in the California Code of Regulations Title 17 Section 93000, and hazardous air pollutants identified pursuant to the federal Clean Air Act, Title I, Section 112(b).

(45) "Vehicle" means a device by which any person or property may be legally propelled, moved, or drawn upon a highway.

(46) "Volatile Organic Compound (VOC)" means any volatile compound containing at least one atom of carbon excluding methane, carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, ammonium carbonates, and exempt compounds.

(47) "VOC Content Per Volume of Coatings, Less Water and Exempt Compounds" means the weight of VOC per combined volume of VOC and coating solids and is calculated by the following equation:

$$C_{cVOC} = \frac{(W_s - W_w - W_{es})}{(V_m - V_w - V_{es})}$$

where:

C_{cVOC} = VOC content per volume of coating, less water and exempt compounds
W_s = weight of volatile compounds including water and exempt compounds
W_w = weight of water
W_{es} = weight of exempt compounds
V_m = volume of material including water and exempt compounds
V_w = volume of water
V_{es} = volume of exempt compounds

(48) "VOC Content Per Volume of Material" means the weight of VOC per volume of material and is calculated by the following equation:

$$C_{mVOC} = \frac{(W_s - W_w - W_{es})}{V_m}$$

where:

C_{mVOC} = VOC content per volume of material
W_s = weight of volatile compounds including water and exempt compounds
W_w = weight of water
W_{es} = weight of exempt compounds

V_m = volume of material including water and exempt compounds

(i)(49) "**Western Section of the Air Pollution Control District of San Diego County**" ~~is defined as~~ means all of that portion of San Diego County, State of California, lying westerly of the following described line:

(1)(i) Beginning at the San Diego-Riverside County boundary and running south along the range line common to Range 2 West and Range 1 West Northwest of Township 9 South, Range 1 West, (San Bernardino Base and Meridian); to the point of intersection with the township line common to Township 9 South and Township 10 South,

(2) ~~thence running southerly along the West line of said township to the South line thereof;~~

(3)(ii) ~~thence easterly along the township line common to Township 9 South and Township 10 South said South line to the point of intersection with the range line between common to Range 1 West and Range 1 East;~~

(4)(iii) ~~thence southerly along said the range line common to Range 1 West and Range 1 East to the point of intersection with the township line between common to Township 11 South and Township 12 South;~~

(5)(iv) ~~thence easterly along said the township line common to Township 11 South and Township 12 South to the point of intersection with the range line between common to Range 1 East and Range 2 East;~~

(6)(v) ~~thence southerly along said the range line common to Range 1 East and Range 2 East to the point of intersection with the United States-Mexico International boundary between the United States of America and Mexico.~~

~~That portion of San Diego County lying easterly of the above described line shall be known as "Eastern Section of Air Pollution Control District of San Diego County".~~